

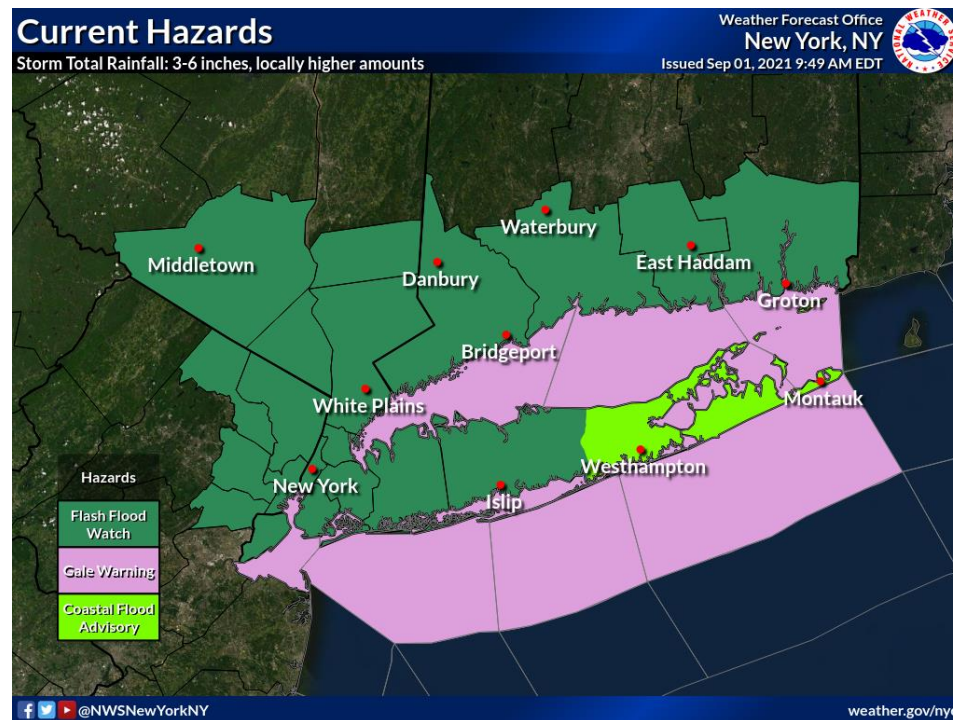


Remnants of Ida to Affect Region through early Thursday

Decision Support Briefing #4
As of: 10 AM, Wednesday,
September 1, 2021

What Has Changed?

- ✓ *Enhanced Risk for tornadoes extended slightly farther north*
- ✓ *Gale Watch upgraded to a Gale Warning*
- ✓ *Small northwest shift in heaviest rain amounts*



Flash Flooding Potential This Afternoon into Early Thursday



New York, NY
WEATHER FORECAST OFFICE

OVERVIEW

- Heavy rain from the remnants of Ida bring potential flash flooding to the region today into early Thursday.
- There is a Moderate to High risk of excessive rainfall leading to flash and main stem river flooding.
- A chance of thunderstorms late this afternoon into tonight. Damaging winds are possible. Brief isolated tornadoes also possible.

HAZARDS & IMPACTS

- **Storm Total Rainfall:** 3 to 6 inches, with locally higher amounts possible.
- **Rainfall Rates:** 1 to 2"/hour at times.
- **Impacts:** Scattered to widespread flash flooding of urban and poor drainage areas as well as small streams and creeks is likely. Rises on main stem rivers are forecast (Moderate-to-major flood stage is forecast for the Saddle River at Lodi).
- **Tornadoes:** An isolated tornado cannot be ruled out, especially near the coast.
- **Coastal Flooding:** Minor mainly near Peconic Bay for Eastern Long Island.



Flood Watches Warnings and Advisories



Graphic Created
September 1st, 2021
9:19 AM EDT

TIMING

- **Flash Flood Threat:** Today into early Thursday.
- **Isolated Tornado Threat:** Late this afternoon into tonight.
- **Coastal Flood Threat:** Tonight during high tide.

NWS ALERTS

- **Flash Flood Watch:** 8am Today until 2pm Thursday.

FORECAST CHALLENGES

- Highest rainfall amounts along Northeast NJ, Lower Hudson Valley and Southern CT. Some slight adjustments to the axis of heavy rainfall may occur, but there is moderate to high confidence in the threat for flash flooding across the entire area.
- Abnormally wet conditions so far this summer have resulted in higher than normal streamflow and water tables, which elevates the flash flood threat.

NEXT BRIEF

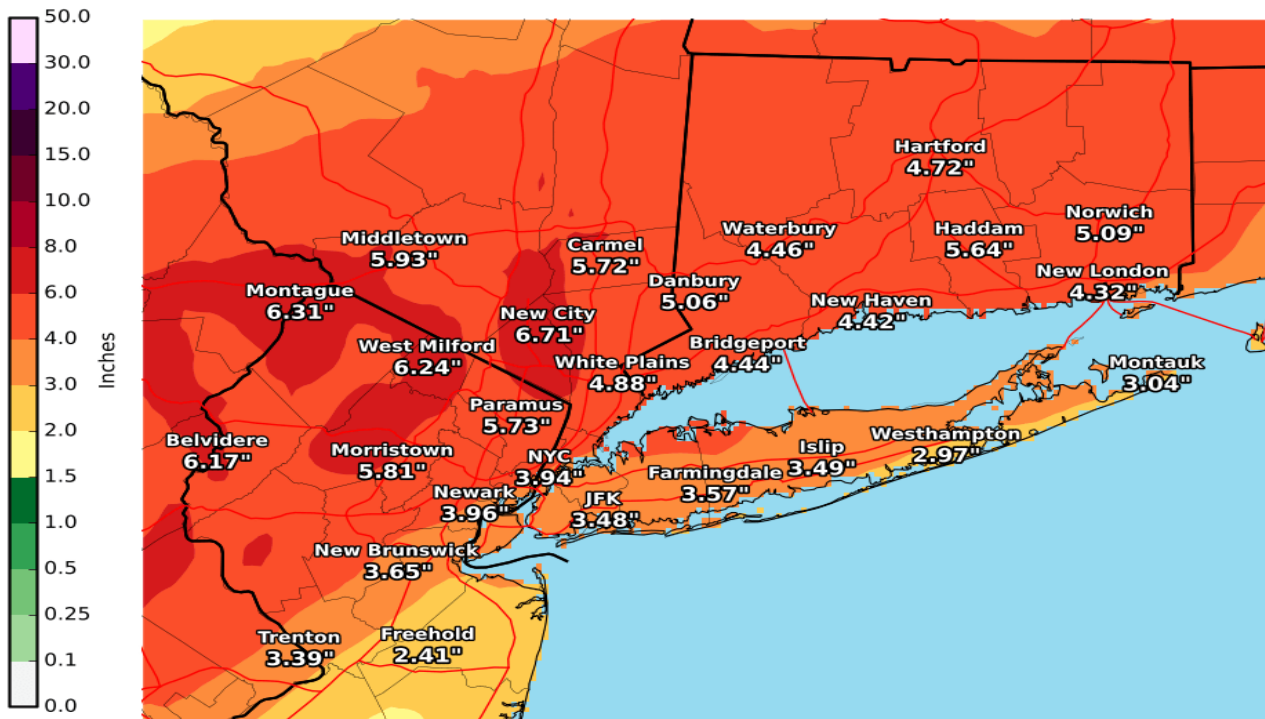
- This is the last briefing unless significant changes are made to the forecast.

Expected Rainfall – Official NWS Forecast



New York, NY
WEATHER FORECAST OFFICE

Valid: 09/01/2021 02:00 AM – 09/02/2021 02:00 PM EDT



National Weather Service
New York NY
09/01/2021 03:58 AM EDT

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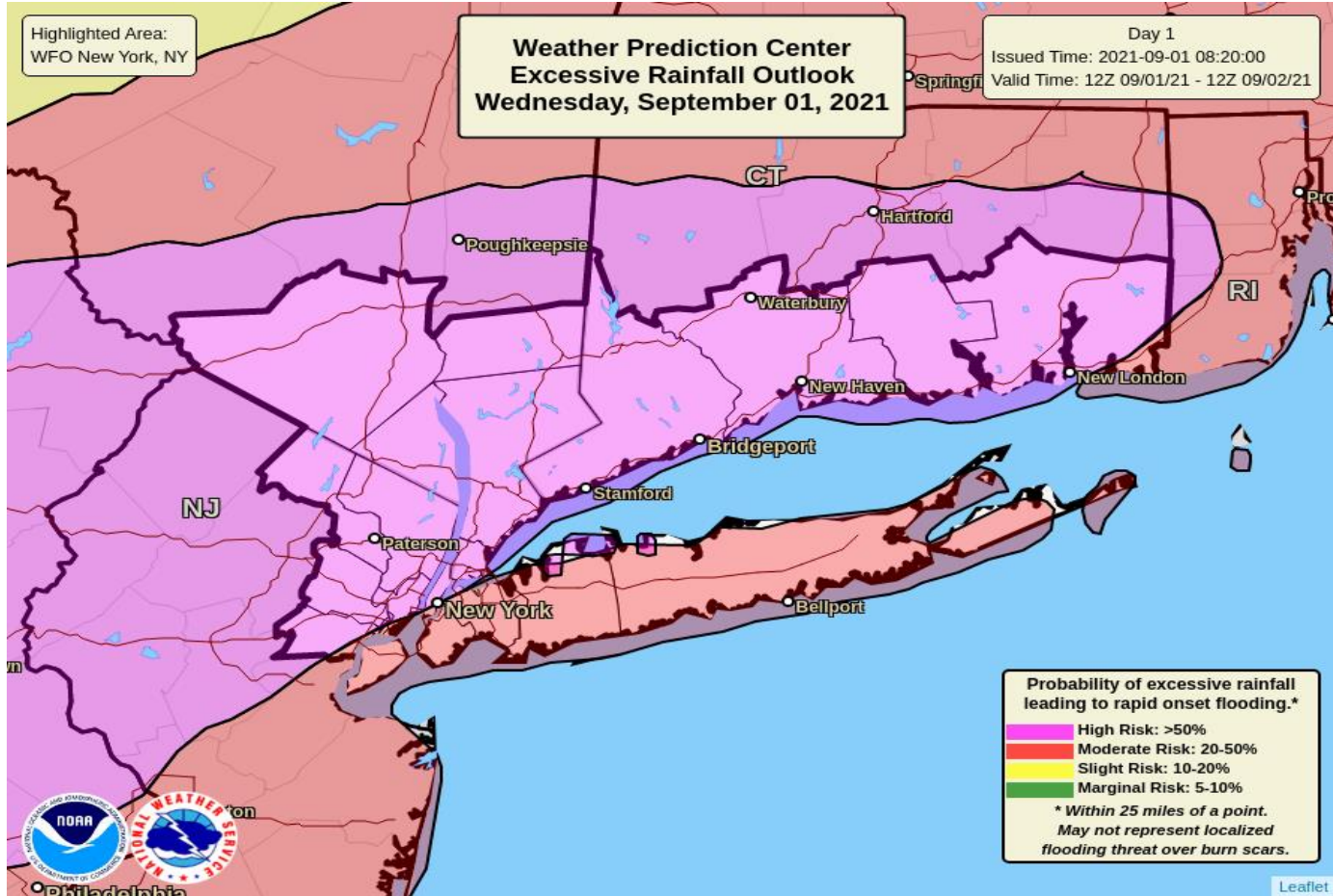


[weather.gov/nyc](https://www.weather.gov/nyc)

Excessive Rainfall Outlook for Today









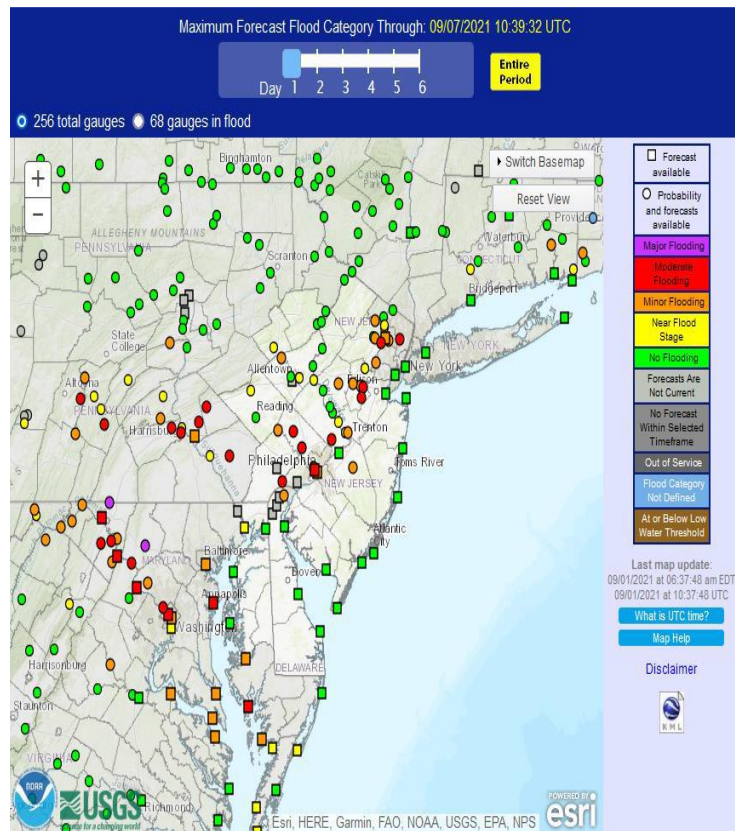
New York, NY
WEATHER FORECAST OFFICE





Understanding WPC Excessive Rainfall Risk Categories

No Area/Label		MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.		Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.		Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.	
www.wpc.ncep.noaa.gov @NWSWPC					
Flash flooding near me?	Flash Flooding NO Flash Flooding				
 WEATHER PREDICTION CENTER					



River Forecasts

Several Gauges are forecast to reach minor to moderate flood stage.

Localized major main stem river flooding cannot be ruled out.

Latest river forecasts can be found [here](#).

You can also refer to the Mid- Atlantic or Northeast River Forecast Center for the latest information on river forecasts:

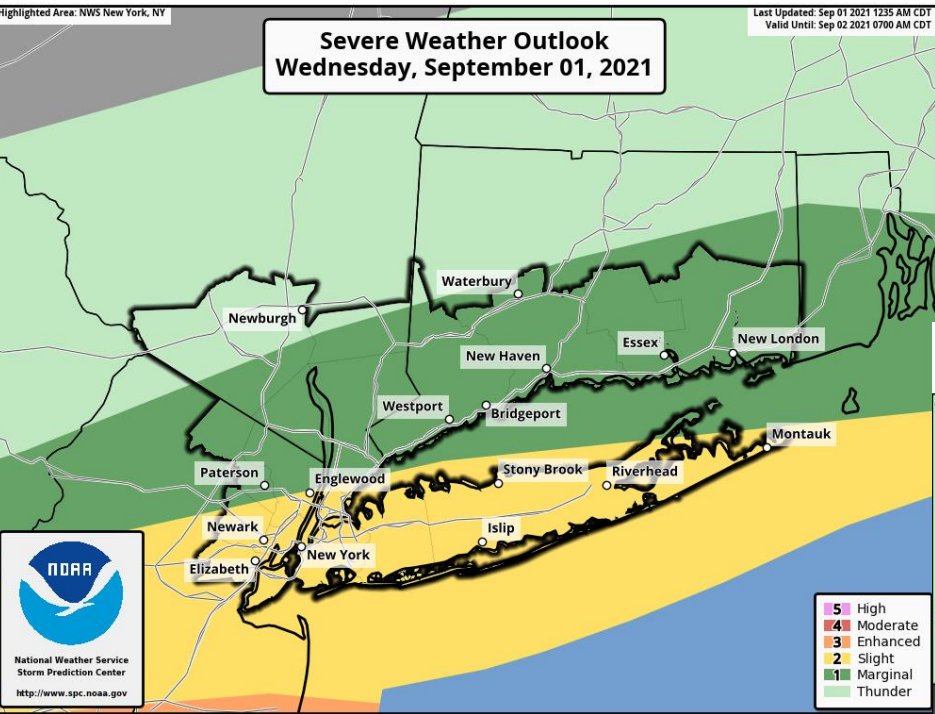
<https://www.weather.gov/marf>

<https://www.weather.gov/nerfc/>

Severe Thunderstorm Threat (Isolated Tornado Possible)



New York, NY
WEATHER FORECAST OFFICE



Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



National Weather Service
www.spc.noaa.gov





Event Summary

- ✓ The remnant low of Ida will pass through the region today and tonight. Excessive rainfall and severe thunderstorms, including isolated tornadoes, are the main threats with this system.
- ✓ Widespread rainfall of 3 to 6 inches is forecast, with locally higher amounts possible, through predawn Thursday morning, with the highest amounts from the I-95 corridor north and west.
- ✓ Numerous instances of flash flooding are likely through predawn Thursday, with some events possibly significant, since the ground is saturated from recent heavy rain events.
- ✓ Widespread river flooding is likely to occur if storm total rainfall forecasts are realized. Roads and structures along particularly susceptible rivers, creeks, and streams may be impacted. Stay tuned to the latest forecasts and monitor for potential Flood Warnings.
- ✓ Isolated thunderstorms are anticipated, mainly across the NYC metro south. The main threats from any thunderstorms that develop will be tornadoes and damaging wind gusts.

